

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Lisa Beckham

GENERAL INFORMATION:

Name:	Barton Brands, Ltd.
Address:	300 Barton Road Bardstown, KY 40004
Date application received:	10/17/2004
SIC Code/SIC description:	2085, Distilled and Blended Liquors
Source ID:	21-179-00020
Source A.I. #:	3247
Activity ID:	APE20060001
Permit:	V-07-025

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input checked="" type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

#### EMISSIONS SUMMARY:

Pollutant	Actual* (tpy)	Potential (tpy)
PM/PM <sub>10</sub>	79/55	67/21
SO <sub>2</sub>	233	404
NO <sub>x</sub>	86	143
CO	31	67
VOC	1406	2108
Single HAPs**	--	9.0
Source wide HAPs**	--	22.5

\*Actual emissions were taken from the 2005 Emissions Inventory System

\*\*Potential based on source-wide emission cap on HAPs

#### **SOURCE DESCRIPTION:**

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On October 19, 2004 Barton Brands, Ltd submitted an application for the renewal of their Title V permit, V-00-001. Supplemental information was received on February 26, 2006 and April 30, 2007, respectively. Barton Brands operates a distillery in Nelson County, Kentucky, where whiskey and bourbon are produced from grains through fermentation and distillation. Grain that has been milled is fed into mash cookers along with water where the grain starches are converted to sugars by heating. The cooked grain/water mixture is fed into fermenter vessels as a batch operation to convert the sugars to ethanol. After an appropriate residence time, the mixture is processed through distillation columns and condensers to separate the ethanol from the mixture. The condensed liquid is eventually put into barrels to be aged. After the appropriate age is reached the bourbon or whiskey is dumped from the barrels, processed and bottled for shipping.

The facility has proposed a 15,000 tons per year limit on coal usage to preclude the applicability of 40 CFR 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Institutional, Commercial, and Industrial Boilers and Process Heaters, compliance date is September 13, 2007, due to emissions of hydrogen chloride. The Division concurs that Barton Brands may use the emission factors from most current AP-42 for the hydrogen chloride emissions until new information is gathered from the compliance test that shall be performed within six months from issue of the final permit. Emission factors derived from compliance testing are to replace the emission factor currently listed in the permit, and shall be used to calculate future emissions. Additionally, source emission of hazardous air pollutants (HAPs) shall be limited to 9.0 tons per year of a single HAP and 22.5 tons per year for the total HAPs. Several emissions factors were updated for the Emissions Inventory System, which warranted reclassification of the convey elevator (previously part of Emission Unit 01) and the rotary dryers (previously part of Emission Unit 04) to be considered as insignificant activities. Ash and lime silos were added to the list of insignificant activities as well. No other changes have been made to the facility since the issuance of the last permit.

### **EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

To preclude the applicability of 401 KAR 51:017, Prevention of significant deterioration, source-wide sulfur dioxide and volatile organic compounds emissions shall not exceed 225 tons per year based on a twelve (12) month rolling total.

To preclude the applicability of 40 CFR 63, Subpart DDDDD, NESHAPs for Institutional, Commercial, and Industrial Boilers and Process Heaters, beginning September 13, 2007, source-wide emissions of a single hazardous air pollutant (HAP), shall not exceed 9.0 tons and total or combined HAPs shall not exceed 22.5 tons in any consecutive twelve-month period. Also source-wide consumption of coal shall not exceed 15,000 tons per year on a twelve-month rolling total.